## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/007543

	CATION OF SUBJECT MATTER  7 B23K9/00, 9/12//B23K9/095, 9	/173	
According to Int	ternational Patent Classification (IPC) or to both national	al classification and IPC	
B. FIELDS SE			
Minimum docum	nentation searched (classification system followed by cl <sup>7</sup> B23K9/00, 9/12//B23K9/095, 9	lassification symbols) /173	
Jitsuyo Kokai J:	itsuyo Shinan Koho 1971-2005 To	itsuyo Shinan Toroku Koho oroku Jitsuyo Shinan Koho	1996-2005 1994-2005
Electronic data b	pase consulted during the international search (name of	data base and, where practicable, search te	rms used)
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap		Relevant to claim No.
x	JP 5-245638 A (Matsushita El Co., Ltd.), 24 September, 1993 (24.09.93) Claims; Par. No. [0013] (Family: none)	ectric Industrial	
A	JP 2003-62669 A (Daihen Corp 05 March, 2003 (05.03.03), Full text (Family: none)	.),	1-6
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	
<ul> <li>Special categories of cited documents:         <ul> <li>document defining the general state of the art which is not considered to be of particular relevance</li> <li>earlier application or patent but published on or after the international filing date</li> <li>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed</li> </ul> </li> </ul>		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family	
Date of the actual completion of the international search 26 July, 2005 (26.07.05)		Date of mailing of the international search report 23 August, 2005 (23.08.05)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.		Telephone No.	

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 91984/1992(Laid-open No. 54462/1994) (Kawasaki Heavy Industries, Ltd.), 26 July, 1994 (26.07.94), Full text (Family: none)	1-6	